

Please delete the paragraph at page 19, lines 12-18,
and substitute the following therefor:

B2 --Next, a processing between the control unit 16 and the decoding unit 17 will be explained using the flowchart shown in Fig. 6. The control unit 16 receives a notification of completion of the multiplexing processing from the multiplexing unit 15 to terminate the processing shown in Fig. 5, and then proceeds to the processing shown in Fig. 6 with the decoding unit 17 to enter the detecting process.--

Please delete the paragraph at page 22, line 14 - page 23, line 13, and substitute the following therefor:

B3
with
--In addition, the authoring apparatus 1 shown in Fig. 1 comprises storage units 2B to 5B in respective units (2 to 5). Thereby, for example, when a processing proceeds to the next multiplexing processing after the encoding processing, the encoded data S1 to S3 must be transmitted from the storage units 2B to 4B to the storage unit 5B, and next encoding work cannot be performed at the encoder 2A, 3A, 4A until the transmitting processing is terminated. Therefore, the editing work takes much time as a whole in the authoring apparatus 1. However, the authoring apparatus 10 according to this embodiment adopts the storage unit 14 which is commonly used by all of units, so that the data transfer is not performed. In the authoring apparatus 10, the enough recording area of the storage unit 14 is previously secured, and respective encoding units 11 to 13 can